

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1500395

Luminaire Tested: LD4C25D010 EU4259050 4LBMH

Issue Date: 2/8/2022

Test Information

Test Method: LM-79-2019
Report Number: P1500395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207151)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2022
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4C25D010 EU4259050 4LBMH
Description: 4 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 4LBM TRIM FINISH
Light Source: -
Ballast/Driver: -

Summary

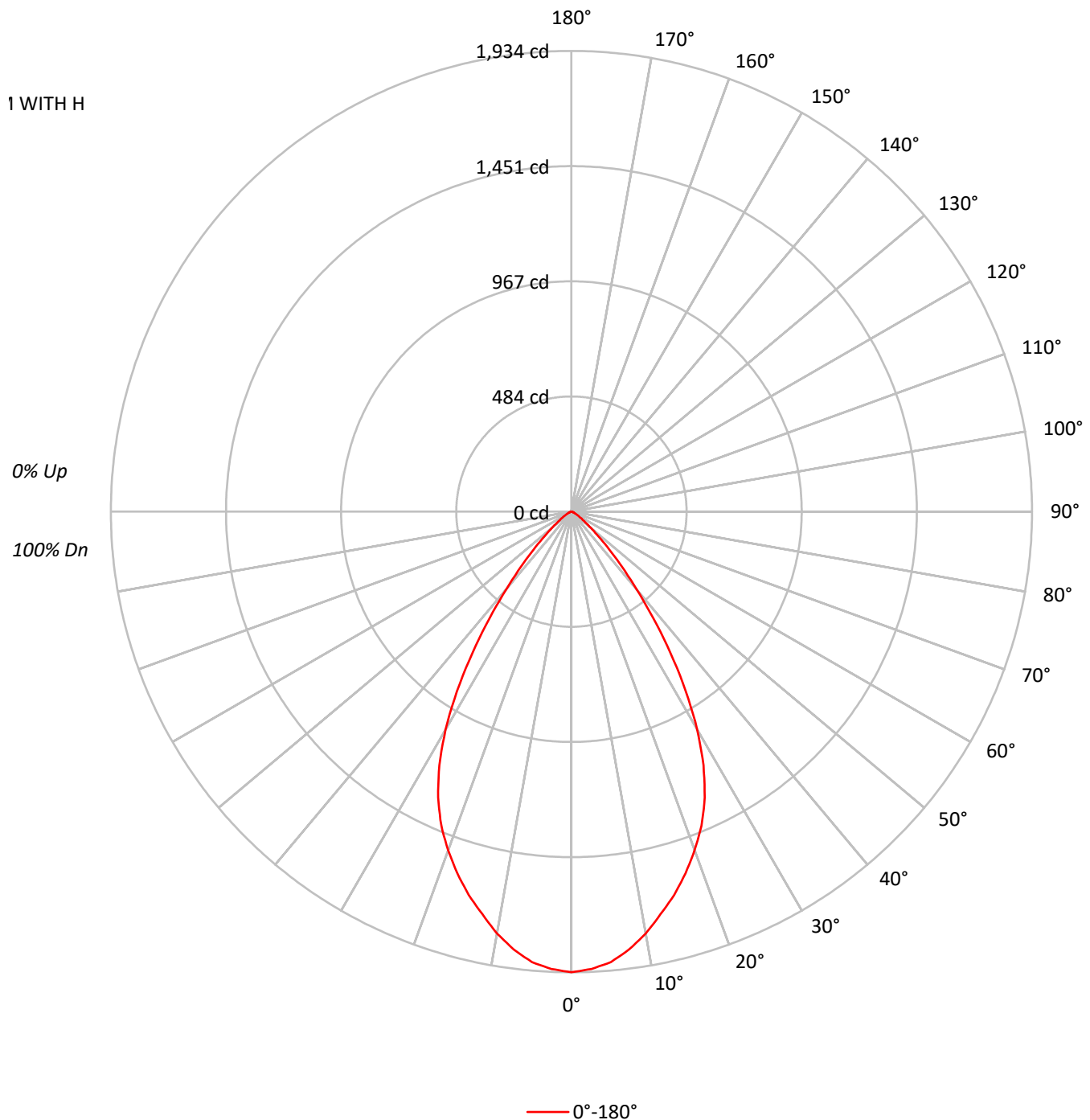
Lumens per Lamp: N/A
Luminaire Lumens: 1950.0 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.93
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	82		86
4	96	88	82	77	94	86	81	77	84	80	76		82	78	75		80
5	90	82	75	71	89	81	75	70	79	74	70		77	73	69		75
6	86	76	70	65	84	75	69	65	74	68	64		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	63	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	49	68	59	53	49	58	52	49		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	237537
5°	234091
10°	224311
15°	211869
20°	197767
25°	179527
30°	149888
35°	108583
40°	67966
45°	38848
50°	20259
55°	11352
60°	7224
65°	4273
70°	3161
75°	1377
80°	2052
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38848 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.9	9.1
10°-20°	466.8	23.9
20°-30°	599.9	30.8
30°-40°	451.3	23.1
40°-50°	181.3	9.3
50°-60°	51.5	2.6
60°-70°	16.3	0.8
70°-80°	4.6	0.2
80°-90°	0.4	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1244.5	63.8
0°-40°	1695.9	87.0
0°-60°	1928.6	98.9
0°-90°	1950.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1950.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1934	
5°	1898	178
15°	1666	467
25°	1324	600
35°	724	451
45°	224	181
55°	53	52
65°	15	16
75°	3	5
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1933.5
2.5°	1921.8
5°	1898.2
7.5°	1854.1
10°	1798.1
12.5°	1730.5
15°	1665.8
17.5°	1592.2
20°	1512.7
22.5°	1427.4
25°	1324.4
27.5°	1200.7
30°	1056.6
32.5°	894.6
35°	724.0
37.5°	565.0
40°	423.8
42.5°	312.0
45°	223.6
47.5°	153.1
50°	106.0
52.5°	73.6
55°	53.0
57.5°	38.3
60°	29.4
62.5°	20.6
65°	14.7
67.5°	11.8
70°	8.8
72.5°	5.9
75°	2.9
77.5°	2.9
80°	2.9
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)